

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5998	(ferromagnetic near (material or layer)) same (non-magnetic or (non near magentic) or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:24
L2	569	(ferromagnetic near (material or layer)) with (non-magnetic or (non near magentic) or Cu or NiCu) with substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:35
L3	315	(pattern\$3 or split\$4) near (ferromagnetic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:24
L4	13	2 and 3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:31
L5	17209	(thermal\$2 near conduct\$3 near (layer or material))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:41
L6	343	(thermal\$2 near conduct\$3 near (layer or material)) same (SiO\$ or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:33
L7	343	(thermal\$2 near conduct\$3 near (layer or material)) same (SiO\$ or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:33
L8	6	(thermal\$2 near conduct\$3 near (layer or material)) with (SiO\$ and (Cu or NiCu))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:34
L9	2	(ferromagnetic near (material or layer)) with ((thermal\$2 near conduct\$3 near (layer or material))) with substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:37
L10	16	(ferromagnetic near (material or layer)) with ((thermal\$2 near conduct\$3 near (layer or material)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:37
L11	1	(US-6858328-\$.did.	USPAT	OR	ON	2006/11/20 08:41
L12	0	5 and 11	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:41
L13	60072	thermal\$2 near conduct\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:41
L14	0	11 and 13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:41
L15	113	(thermal\$2 near conduct\$3) with ferromagnetic	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 09:13

## EAST Search History

L16	0	3 and 15	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:41
L17	26	(thermal\$2 near conduct\$3) with Nb	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 09:13
S1	1566	29/603.07,603.11,603.13-603.16,603.18.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:48
S2	321	360/319.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:49
S3	49	(heat near dissipat\$3) same (magnetic near shield)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:57
S4	2	((("6239954") or ("6556389")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/15 14:49
S5	652	360/235.2,234.7,319,320.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:51
S6	4875	(gap or hole or via or space) near shield	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:52
S7	4	S3 and S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:55
S8	335	(ferromagnetic) near (non-magnetic or (non near magentic) or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:00
S9	0	S3 and S8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:56
S10	31	S8 and (magnetic near shield)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:57
S11	2	S8 same (magnetic near shield)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 14:57
S12	707	(ferromagnetic near (material or layer)) near (non-magnetic or (non near magentic) or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 08:23
S13	11	split\$4 near (ferromagnetic near (material or layer))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:05

## EAST Search History

S14	0	S12 and S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:01
S15	0	devid\$3 near (ferromagnetic near (material or layer))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:05
S16	100	divid\$3 near (ferromagnetic near (material or layer))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:25
S17	0	S3 and S16	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:06
S18	3	S1 and S3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:06
S19	7	S3 and (ferromagnetic near (material or layer))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:20
S20	3	split\$4 near shield near (gap or space)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:11
S21	71	split\$4 with shield with (gap or space)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:11
S22	1119	shield with (ferromagnetic near (material or layer))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:12
S23	4	S21 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:17
S24	202	HAN-CHERNG-CHYI.in. or LEE-ROD.in. or CHEN-MAO-MIN.in. or WANG-POKANG.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:18
S25	1	S3 and S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:19
S26	1	S21 and S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:19
S27	0	S8 and S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:19
S28	4	S12 and S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:19

## EAST Search History

S29	4	S28 and (ferromagnetic near (material or layer))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:20
S30	4	S29 and (non-magnetic or (non near magentic) or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/15 15:21
S31	12	(split\$4 or divid\$3 or pattern\$3 or etch\$3) near (ferromagnetic near (material or layer)) near two	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:15
S32	30	((heat near dissipation) with shield) and (magnetic near head)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:13
S33	708	(ferromagnetic near (material or layer)) near (non-magnetic or (non near magentic) or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:09
S34	0	S32 and S33	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:09
S35	3815	(ferromagnetic near (material or layer)) with (non-magnetic or (non near magentic) or Cu or NiCu)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:15
S36	2	S32 and S35	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:09
S37	19	((heat near dissipation) with shield) and (read near (head or element))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:14
S38	2	((heat near dissipation) with shield) same (read near (head or element))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:14
S39	1119	(ferromagnetic near (material or layer)) with (shield)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:15
S40	301	(split\$4 or divid\$3 or pattern\$3 or etch\$3) near (ferromagnetic near (material or layer))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:16
S41	22	S39 and S40	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/16 06:16